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				Application Number	09/875.076 10/782, 596	
INFO	RMATION	DIS	CLOSURE	Filing Date	June 6, 2001 02/19/2004	
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	C. Liaw et al.	
• • • • • • • • • • • • • • • • • • • •	•			Art Unit	1646	
	(use as many she	ets as	necessary)	Examiner Name	Prema Maria Mertz Ruixiang Li	
Sheet	1	of	2	Attorney Docket Number	AREN-11.US9.DIV (0239)	

			U.S. PATENT	OCUMENTS	
Examiner tritials *	Cite No.	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentse or Applicant of Cited Document	Pages, Columns, Lines, Where Relevent Passages or Relevent Figures Appear
RLi		US-6,555,344 B1	04/29/2003	Matsumoto et al.	
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Examiner Signature	Ruixiang L;	Date Considered	3/21/2006

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This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file

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	Substitute	e for form 144	9A/PTO			Complete if Known			
						Application Number	09/875,076 14782,596		
					CLOSURE	Filing Date	June 6, 2001 02/8/ 2004		
	STATEMENT BY APPLICANT					First Named Inventor	C. Liaw et al.		
						Group Art Unit	1646		
		(use as ma	any sheets	as	necessary)	Examiner Name	Prema Maria Mertz Ruixiang Li		
$\overline{}$	Sheet	2		of	2	Attorney Docket Number	AREN-11.US9.DIV (0239)		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	,	_
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²	!
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Examiner Signature Ruixiang L.	Date 3 2 2006 Considered
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1 Applicant's unique citation designation number (optional), 2 Applicant is to place a check mark here if English language Translation is statched. This collection of Information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form anti/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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				Application Number	09/875,076 Joht 2,596	
INFO	RMATION	DIS	CLOSURE	Filing Date	June 6, 2001 02/16/1 2-0/	
STATEMENT BY APPLICANT				First Named Inventor	Chen Liaw	
				Group Art Unit	1646	
	(use as many she	ets as	necessary)	Examiner Name	P. Mortz Ruixiang Li	
Sheet	1	of	2	Attorney Docket Number	11.US9.DIV (AREN-0239)	

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RL:	AC	EP 0 913 471	05/06/99	Sathe et al		
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¹ Applicant's unique citation designation number (optional) . ² See Kinds Codes of USPTO Patent Documents at www.usnto.gov or MPEP 801.04.
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English tanguage Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE						Complete if Known				
						Application Number	09/875.076 16/782,596			
						Filing Date	June 6, 2001 02/19/2004			
5	STATEMENT BY APPLICANT					First Named Inventor	Chen Liaw			
						Group Art Unit	1648			
		(use as ma	ny sheets	as neces	sary)	Examiner Name	P. Mertz Ruixiang Li			
	Sheet	2	0	2		Attorney Docket Number	11.US9.DIV (AREN-0239)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2		
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Examiner Signature	Rudiang	L.	Date Considered	3/21/2006

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¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Sheet 1 of 19

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For	n PTO-1449 Modified	Docket No. AREN-0239	Serial No. 09/875,076	
List	of Patent and Publications	Applicant	10/782, 596	
	Cited by Applicant	Ruoping Chen, et a	L.	
(Use	several sheets if necessary)	Liaw		
	Department of Commerce ent and Trademark Office	Filing Date 02/19 hould	Group 1646 Not Yet Assigned	
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	rorm	- 10-1449 Modified	AREN-0239	Serial No. 10/782,596 09/875,076
		Patent and Publications	Applicant	
		Cited by Applicant	Ruoping Chen, et al	.
	(Use se	veral sheets if necessary)	Liaw	
		epartment of Commerce	Filing Date 044 2004	Group 1646
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	C	Patent and Publications lited by Applicant veral sheets if necessary)	Applicant Ruoping Chen, et al	•	
		epartment of Commerce and Trademark Office	Filing Date 아기에 나이	Group 1646 Not Yet Assigned	
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	of Patent and Publications Cited by Applicant several sheets if necessary)	Applicant Ruoping Chen, et al. Liau			
	. Department of Commerce tent and Trademark Office	Filing Date Olis 2544 June 6, 2001	Group 164 6 Not Yet Assigned		
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,	Patent and Publications Cited by Applicant veral sheets if necessary)	Applicant Ruoping Chen, et al	.	
	epartment of Commerce t and Trademark Office	Filing Date 02/19/2004 June 6, 2001	Group 1646 Not Yet Assigned	
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BU	Knapp, R. et al., "Molecular biology <i>FASEB J.</i> , 1995 , <i>9</i> , 516-525	and pharmacology of	cloned opioid receptors,"	
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Form	PTO-1449 Modified	Docket No. AREN-0239	Serial No. 09/875,076 15/782,596		
	of Patent and Publications Cited by Applicant everal sheets if necessary)	Applicant Ruoping Chen, et al	.		
	Department of Commerce nt and Trademark Office	Filing Date 02/14/2014 June 6, 2001	Group 1646 Not Yet Assigned		
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		Sheet 7 of 19		
Form PTO-1449 Modified	Docket No. AREN-0239	Serial No. _09/875,076_ 10/782, 596		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant Ruoping Chen, et al	l.		
U.S. Department of Commerce Patent and Trademark Office	Filing Date 02/19/2004 June 6, 2001	Group 1646 Not Yet Assigned		
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Examiner Signature	Ruckiang Li	Date Considered	3/21/2006

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	Substitute for form 14498/PTO	Co	Complete if Known				
		Application Number	19782,596				
	INFORMATION DISCLOSURE	Filing Date	02/19/2004				
	STATEMENT BY APPLICANT	First Named Inventor	Lian et al.				
		Art Unit	1646				
	(Use as many sheets as necessary)	Examiner Name	Ruexiana Li				
$\overline{}$	Sheet of	Attorney Docket Number					

	· · · · · ·	NON PATENT LITERATURE DOCUMENTS		_
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т	2
RLi	А3	BENTLEY, "Genomic sequence information should be released immediately and freely to the public," The Sanger Institute, Human Genome Project Policy Forum, Science (1998) 274:533-534.	\mathbb{N}_{-}	
1	A4	The Sanger Institute: Data Release Policy, www.sanger.ac.uk, May 24, 2002.	$\ $	_
	A5	Genbank Acc. #AL035423, update version of February 12, 1999.		
	A6	Genbank Acc. #AL035423, update version of February 24, 1999.		
	A7	Genbank Acc. #AL035423, update version of February 27, 1999.		-
	AB	Genbank Acc. #AL035423, update version of April 21, 1999.		-
. ,	A9	Genbank Acc. #AL035423, update version of November 23, 1999.		
RLi	A10	Sequence Revision History for Genbank Acc. #AL035423.		

				
Examiner	Outviewa	L	Date	3/21/2006
Signature	Kuixiang	~1	Considered	37,100

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

	Complete if Known	
Application Number	10/782,596	
Filing Date	February 19, 2004	
First Named Inventor	Chen Liaw	
Art Unit	1646	
Examiner Name	Ruixiang Li	
Attorney Docket Number	AREN11.US12.CON	

			U.S. PATENT D	OCUMENTS	
Examiner	Cite	Document Number	Publication/Issue Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Casa Document	Passages or Relevant Figures Appear
RLi	A30	US-5,462,856	10-31-1995	Lerner et al.	
RLi	A31	US-6,051,386	04-18-2000	Lerner et al.	
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	FOREIGN PATENT DOCUMENTS								
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		~~~		Application Number	10/782,596 February 19, 2004			
			CLOSURE	Filing Date				
STAT	remen?	<b>FBY A</b>	PPLICANT	First Named Inventor	Chen Liaw			
				Art Unit	1646			
	(Use as mai	ny sheets as	necessary)	Examiner Name	Ruixiang Li			
Sheet	2	of	2	Attorney Docket Number	AREN11.US12.CON			

		NON PATENT LITERATURE DOCUMENTS	
	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
Examiner Initials * RLi	A32	Gracheck et al., Annual Rep. Med. Chem. (1993) 28:161-166.	
1	A33	Major et al. "Challenges of high throughput screening against cell surface receptors," J. of Receptor and Signal Transduction Res. (1995) 15:595-607.	
	A34	Jayawickreme et al. "Gene expression systems in the development of high-throughput screens," Current Opinion in Biotechnology (1997) 629-634.	
the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-inumber(s), publisher, city and/or country where published.  Gracheck et al., Annual Rep. Med. Chem. (1993) 28:161-166.  Major et al. "Challenges of high throughput screening against cell surface receptors," J. of Real and Signal Transduction Res. (1995) 15:595-607.  Jayawickreme et al. "Gene expression systems in the development of high-throughput screen. Current Opinion in Biotechnology (1997) 629-634.  Ji et al., "G Protein-Coupled Receptors," J. Biol. Chem. (1998) 273:17299-17302.  Smith et al., Assays of Cycle Nucleotides: A Review of Current Techniques, App. Biochem Biotechnol (1993) 41:189-218.  Murdoch et al., "Chemokine receptors and their role in inflammation and infectious diseases,			
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RLi	A37	Murdoch et al., "Chemokine receptors and their role in inflammation and infectious diseases," Blood (2000) 95:3032-3043.	
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Signature	Examiner Signature	Rubxiang Li	Date Considered	3/21/2006
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